



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

*Handwritten signature and date 3/29/99*

In re the Application of:

Kannan V. Ramanathan et al.

Art Unit: 1753

Application Serial No. 08/939,844

Filed: September 29, 1997

Examiner: M. Chapman

Title: Cadmium-Free Junction Fabrication  
Process for CuInSe<sub>2</sub> Thin-Film Solar Cells

Atty. Dkt. No. NREL 97-10

AMENDMENT UNDER 37 CFR § 1.111

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

Applicant hereby responds to the Official Action of Paper No. 5, dated December 14, 1998,  
please amend the above-identified application as follows:

In the Specification:

Page 4, line 7, after "group II", delete "(a,b)" and substitute therefor --b--.

Page 4, line 8, after "zinc," insert --cadmium, or mercury--, and after "and a", delete  
"group VII element" and substitute therefor --halide--.

Page 4, line 8, after "chlorine," insert --bromine, iodine, or fluorine--.

In the Claims:

Please amend claim 1, as follows:

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**GROUP 1700**

1. (once amended) A process for making a thin film heterojunction photovoltaic  
device comprising the steps of:

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